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JOB OPPORTUNITY

Department:	Food and Agriculture
Division:	Measurement Standards
Classification:	Principal State Metrologist
Salary:	\$5,618 - \$6,194
Tenure:	Permanent/Full-Time
Location:	Sacramento

ISSUE DATE: October 2, 2003

FINAL FILING DATE: November 30, 2003

THE POSITION:

(Candidates must perform the following essential functions with or without reasonable accommodations.)

Enforcement of the California Business and Professional Code is the responsibility of the Division of Measurement Standards. Under general direction of the Director, this position is responsible for all functions of the Metrology Branch and supervises a staff of three Measurement Standards Specialists who work in the State's Metrology laboratories. The activities of the Metrology Branch are designed to ensure the accuracy and traceability of measuring devices and staff perform both on-site and field tests conducted at county weights and measures offices throughout the state.

This position directs the work of the California Measurement System by identifying measurement needs in enforcement of State and local agencies and industry when accurate measurement services are required; develops criteria for accreditation of measurement laboratories; and consults with the National Institute of Standards and Technology (NIST) and scientific personnel on regional measurement capability centers in the U.S.; national and state voluntary laboratory accreditation programs; State measurement need identification; bio-medical and industrial safety ionizing radiation measurements; standard reference material dissemination; mass, force, density, and pressure measurements; and "Measurement Assurance Program" plans in relation to monitoring measurement process quality.

The Principal State Metrologist directs the work of the State Metrology Laboratory by investigating current methods of testing and certification of State and county standards to provide proper measurement assurance for traceability to the National Institute of Standards and Technology; develops statistical data and control charts for surveillance of the State's primary standards; develops sampling test methods for testing county standards to improve knowledge of accuracy and increase cost effectiveness; develops certificates, test reports and data analysis sheets; and analyzes and develops legislative proposals for measurement science issues.

Develop uniform methods for legal identification, maintenance, and certification of standards used for enforcement of weights and measures laws; develop standardized methods for use of standards in field measurement and assures that measurements are

performed with required levels of accuracy and traceability to NIST; consult with weights and measures officials on measurement problems and assists in the implementation of Metrology directives; consult with members of instrument companies, bio-medical calibration laboratories, commercial calibration laboratories, universities, professional organizations, state and local agencies involved in health, safety, law enforcement and industry; address governmental agencies and professional measurement organizations in relation to metrology activities; and prepare both technical and administrative reports.

Participate in the activities of the National Conference on Weights and Measures metrology workshops, the National Conference of Standards Laboratories, the Western Regional Assurance Program (WRAP), and other scientific and professional organizations as deemed necessary to facilitate the mission of the Division.

Provide technical expertise on measurement techniques, data gathering and statistical analysis; and prepare reports to other program managers on technical analysis and/or financial impact of measurements made in support of regulatory activities.

Provide high measurement technology investigations of measurement problems existing anywhere within State or local government or industry when difficulty arises in obtaining measurement services with the State.

DESIRABLE QUALIFICATIONS:

Willingness to travel to various locations throughout the State and other states.

Knowledge of:

- Methods, materials, principles and application of scientific measurement or Metrology.
- Provisions of the Business and Professions Code and the California Administrative Code relating to the application and use of weighing and measuring standards.
- Principles of design, development and application of weighing and measuring standards, and test equipment.
- National and international standards for weighing and measuring.

Ability to:

- Organize, direct and evaluate technical measurement programs.
- Consult with scientific, professional, and governmental personnel.
- Maintain effective liaison with programs, personnel, agencies, and organizations involved in the work.
- Analyze situations and take timely and effective action.

WHO SHOULD APPLY:

A freeze exemption has been approved for this position and those who are eligible to laterally transfer may apply for this position. Applications will be screened and only the most qualified will be interviewed. If interested, please submit a completed standard State application (Form 678) to:

Department of Food and Agriculture
Attn: Gail Evoy
8500 Fruitridge Road
Sacramento, California 95826
Telephone: (916) 229-3042